

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended): A gas-insulated multi-phase line ~~made up of, comprising:~~
a plurality of longitudinal sections, each of which is formed by comprising metal cladding filled with a dielectric gas under pressure and each containing at least three phase conductors;
wherein said at least three phase conductors are disposed in a triangle configuration; and,
wherein two adjacent longitudinal sections are connected together via a connection module comprising:

~~whose metal cladding is locally made up of a plurality of forming at least three~~
substantially tubular portions, each of which is tubular portion filled with dielectric gas and each tubular portion having has a single one of said at least three phase conductor
conductors passing through it, constituting a passive electrical connection.

2. (Currently amended): The gas-insulated line of claim 1, ~~in which the~~ wherein said connection module is open at both ends so that the volumes of said longitudinal sections communicate with each other.

3. (Currently amended): The gas-insulated line of claim 1, ~~in which the~~ wherein said connection module is closed in a gastight manner by one or more insulators at either or both of its ends so as to isolate two adjacent longitudinal sections from each other, or so as to isolate said module from said longitudinal sections.

4. (Currently amended): A connection module for a gas-insulated electricity line of claim ~~1~~, wherein:

~~which said~~ connection module has metal cladding made up of a first dish-shaped end cap and of a second dish-shaped end cap,

which caps are provided with orifices of aperture determined to enable phase conductors to pass through them with a sufficient isolation distance between each conductor and the cladding, and

in which connection module each of the tubular portions of said cladding of the module is formed of a link tube surrounding an orifice in the first end cap and an orifice in the second end cap, through which orifices the same phase conductor passes.

5. (Previously presented): The connection module of claim 4, and in which one end cap is extended by said link tubes thereby forming an integrally-molded single piece therewith.

6. (Previously presented): The connection module of claim 4, and in which the tubular portions are mutually parallel.

7. (Previously presented): The connection module of claim 6 in which three tubular portions are disposed in an equilateral triangle configuration.

8. (Previously presented): The connection module of claim 4, in which each of the tubular portions is surrounded by a determined volume of air.

9. (Previously presented): The connection module of claim 4, in which windings forming the secondary of a current transformer are disposed in air around respective ones of said tubular portions.

10. (Previously presented): The connection module of claim 4, in which sensors are disposed in air around or in the vicinity of respective ones of said tubular portions.

11. (Currently amended) ~~A The method of assembling a connection module of claim 9, in which method each winding is firstly put in place around a tubular portion before the two end caps are assembled together via said tubular portions for forming the metal cladding of said~~

module wherein said windings are formed around said at least three link tubes before said link tubes are connected to said first and second end caps.

12. (Previously presented): The gas-insulated line of claim 1, wherein the connection module comprises a first end cap and a second end cap, and

wherein each of the first end cap and the second end cap surrounds the at least three phase conductors disposed in a triangle configuration.

13. (New): A connection module for a gas-insulated electricity line, comprising:

a first dish-shaped end cap having at least three orifices formed therein;

a second dish-shaped end cap having at least three orifices formed therein; and

at least three substantially parallel link tubes, each connecting one of said at least three orifices in said first end cap to a corresponding one of said at least three orifices in said second end cap, such that a phase conductor can pass through said one of said orifices in said first end cap, through one of said link tubes, and through said corresponding one of said orifices in said second end cap.

14. (New): The connection module of claim 13, wherein each of said at least three link tubes are joined to one of said orifices in said first end cap, forming an integrally-molded single piece thereby.

15. (New): The connection module of claim 13, wherein said at least three link tubes are disposed in an equilateral triangle configuration.

16. (New): The connection module of claim 13, wherein each of said at least three link tubes is surrounded by a volume of air.

17. (New): The connection module of claim 13, further comprising windings forming a secondary of a current transformer disposed around each of said at least three link tubes.

18. (New): The connection module according to claim 17, wherein said windings are formed around said at least three link tubes before said link tubes are connected to said first and second end caps.

19. (New): The connection module of claim 13, further comprising at least three sensors, each disposed substantially in the vicinity of one of said at least three link tubes.